

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-30. (Cancelled)

31. (New) A composition for preservation of an organ, said composition comprising a solution containing:

PEG-Hb;
an electrolyte; and
a carbohydrate;

said solution being hypocalcemic relative to the tissue of the organ being preserved.

32. (New) A composition according to claim 31 wherein the electrolyte is selected from the group consisting of: MgSO_4 , KCl, CaCl_2 , NaCl, NaHCO_3 , Na_2HPO_4 and NaH_2PO_4 .

33. (New) A composition according to claim 31 wherein the solution further contains a protein.

34. (New) A composition according to claim 33 wherein the protein is selected from the group consisting of albumen and insulin.

35. (New) A composition according to claim 1 wherein the carbohydrate comprises dextrose.

36. (New) A composition according to claim 1 wherein the solution further contains lidocaine.

37. (New) A composition according to claim 1 wherein the solution further contains heparin.

38. (New) A composition according to claim 1 wherein the solution is isotonic.

39. (New) A composition according to claim 1 wherein the solution is normokalemic.
40. (New) A composition according to claim 1 wherein the solution is isotonic and normokalemic.
41. (New) A composition according to claim 1 wherein the solution is oxygenated to a pO_2 of 600 or greater.

42. (New) A composition according to claim 1 wherein the solution comprises:

PEG-Hb;
KCL;
NaCl;
NaH₂PO₄;
NaHCO₃;
MgSO₄;
CaCl₂;
Lidocaine;
Heparin;
Dextrose;
Albumin;
Insulin; and
Tromethamine.

43. (New) A composition according to claim 42 wherein the solution comprises:

about 3 % PEG-Hb;
about 4.7 mEq/L KCL;
about 148.7 mmol/L NaCl;
about 2.5 mmol/L NaH₂PO₄;
about 2.5 mmol/L NaHCO₃;
about 5.0 mEq/L MgSO₄;
about 1.0 mEq/L CaCl₂;

about 12.5 mg/L Lidocaine;
about 1250 units/L Heparin;
about 6.1 mOsm/L Dextrose;
about 1.5 gm/L Albumin;
about 30.6 units/L Insulin; and
about 7.3 cc/L Tromethamine solution.